

Doc code :IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-08)

Approved for use through 03/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	10781951
	Filing Date	2004-02-18
	First Named Inventor	J. Walton
	Art Unit	2017 → 2416
	Examiner Name	WONG, XAVIER S
Attorney Docket Number		040235

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/C.A./	1	6452981		2002-09-17	RALEIGH et al	
/C.A./	2	7151809		2006-12-19	KETCHUM et al	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/C.A./	1	20040082356		2004-04-29	WALTON et al	
/C.A./	2	20040085939		2004-05-06	WALLACE et al	

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
/C.A./	1	01076110	WO		2001-10-11	QUALCOMM, Incorporated		<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10781951
Filing Date	2004-02-18
First Named Inventor	J. Walton
Art Unit	2016 2416
Examiner Name	WONG, XAVIER S
Attorney Docket Number	040235


/C.A./	2	03015334	WO		2003-02-20	NOKIA CORPORATION	<input type="checkbox"/>
--------	---	----------	----	--	------------	-------------------	--------------------------

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
/C.A./	1	INTERNATIONAL SEARCH REPORT-PCT/US05/005261, INTERNATIONAL SEARCH AUTHORITY-EUROPEAN PATENT OFFICE, 6/16/05	<input type="checkbox"/>
/C.A./	2	ALAMOUTI, S.M., "A Simple Transmit Diversity Technique for Wireless Communications," IEEE Journal on Selected Areas in Communications, Vol.16, No.8, OCTOBER 1998, pp.1451-1458	<input type="checkbox"/>
/C.A./	3	BEM et al., "Smart Antennas for Mobile Communications Systems," INTERNATIONAL CONFERENCE ON MICROWAVES, RADAR AND WIRELESS COMMUNICATIONS, Vol.3, MAY 22, 2000, pgs.120-130, XP010537479	<input type="checkbox"/>
/C.A./	4	BOURDOUX et al., "Non-reciprocal transceivers in OFDM/SDMA Systems: Impact and Mitigation," RADIO AND WIRELESS CONFERENCE, August 10, 2003, pgs.183-186, XP010656728	<input type="checkbox"/>
/C.A./	5	BRUHL et al., "Investigation of Front-end Requirements for MIMO-Systems Using Downlink Pre-Distortion," EUROPEAN PERSONAL MOBILE COMMUNICATIONS CONFERENCE, 2003, pgs.472-476, XP002330243	<input type="checkbox"/>
/C.A./	6	JUNGnickel et al., "A MIMO System with Reciprocal Transceivers for the Time-division Duplex Mode," ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, Vol.2, June 20, 2004, pgs.1267-1270, XP010721570	<input type="checkbox"/>
/C.A./	7	LIU et al., "OFDM-MIMO WLAN AP Front-end Gain and Phase Mismatch Calibration," IEEE RADIO AND WIRELESS CONFERENCE, September 2004, pgs.151-154, XP002330244	<input type="checkbox"/>
/C.A./	8	"Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: High-Speed Physical Layer in the 5GHz Band," IEEE Standards 802.11a, September 1999	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	10781951	
	Filing Date	2004-02-18	
	First Named Inventor	J. Walton	
	Art Unit	2010 	2416
	Examiner Name	WONG, XAVIER S	
	Attorney Docket Number	040235	

EXAMINER SIGNATURE				
Examiner Signature	/Curtis Alia/		Date Considered	10/22/2008
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				
<small>¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.</small>				